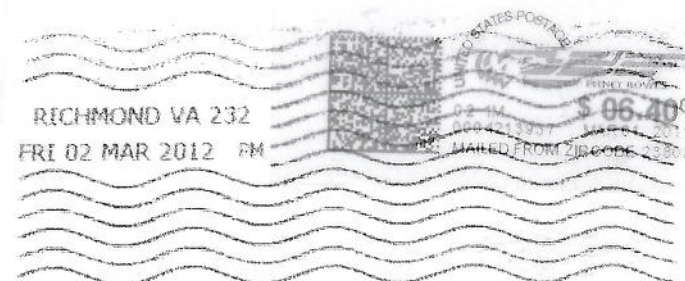






7007 0220 0001 3599 4148



RICHMOND VA 232

FRI 02 MAR 2012 PM



**GERDAU AMERISTEEL**

Petersburg  
25801 Hofheimer Way • Petersburg, VA 23803

TO:



Route

**EPA Mail**

**To: Federal Activities**

Mailstop: ARIEL RIOS NORTH

Department: 2254A

Phone:

PKG Condition Certified



70070220000135994148

## **ANNUAL REPORT OF HAZARDOUS WASTE EXPORTS FOR 2011**

### **PRIMARY EXPORTER (Consignor)**

EPA ID#: VAR000013292  
Name: Chaparral (VA) Inc.  
Address: 25801 Hoffheimer Way  
Petersburg, VA 23803

### **CONSIGNEE (Foreign Receiving Facility)**

Name: Zinc Nacional, S.A.  
Site Address: Hidalgo 674 Pte., Apdo 985  
Monterrey, N.L., Mexico 64000

### **TRANSPORTERS**

Transporter No. 1: Norfolk Southern Railway Company  
EPA ID#: VAD000650309

Transporter No. 2: Burlington Northern Santa Fe Railway  
EPA ID#: MNND048341788

### **WASTE INFORMATION**

Description of Waste: Emission Control Dust/Sludge from Primary Production  
Of Steel in Electric Furnaces  
EPA Waste ID#: K061  
DOT PSN: NA 3077, Hazardous Waste Solid, n.o.s. (K061), 9, III, RQ  
DOT Hazard Class: 9

### **SHIPPING INFORMATION**

Total amount of this waste shipped: 1,178 tons  
Number of shipments in 2011 12



## WASTE MINIMIZATION STATEMENT

Chaparral (VA) Inc. has prepared and implemented a waste minimization program with the intent of reducing the volume and toxicity of wastes generated. The Waste Minimization Program includes:

- Designation of a Waste Minimization Coordinator
- Waste Minimization Goals
- Waste Stream Characterization
- Elimination
- Substitution
- Waste auditing
- Waste Management Control

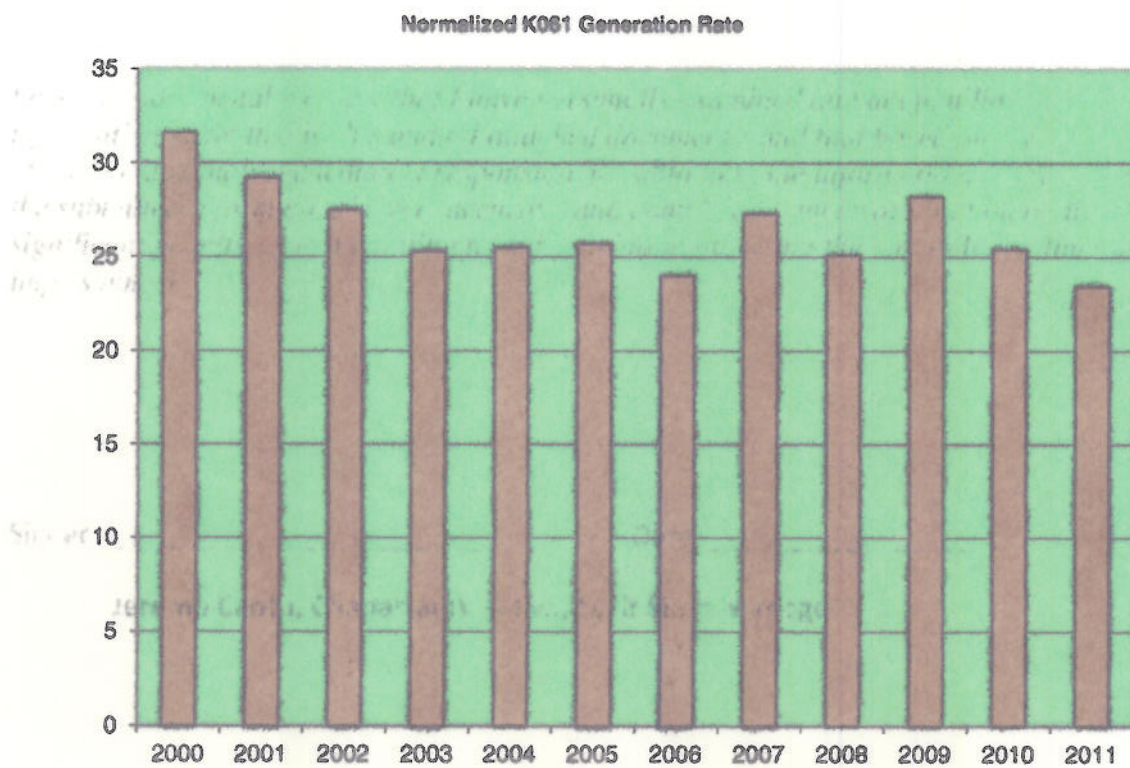
The RCRA listed waste generated from the air emission pollution control device (positive pressure filtration) is designated by the EPA as K061 listed waste. This listed waste contains a wide variety of metals that were captured by the pollution control device (bag house filters) in the air exhaust stream. The electric arc furnace (EAF) dust captured by the filters is rich in metals specifically zinc along with iron and to a lesser extent cadmium, copper and lead along with trace amounts of other metals.

The secondary recovery of these metals from the waste before analytical testing and proof the waste meets K061 treatment standards is an example of the recycling and reuse of recovered metals from discarded iron and steel that serves as the basis for scrap metals which are smelted in the EAF that produces the baghouse, K061 listed waste.

Table 1. *Quantity of Exported Waste in Comparison to the Normalized Steel Production Rate* shows that since 1999 the rate of steel exported compared to steel produced has dropped steadily over time with minor fluctuations based upon market economies. What remains constant is the extraction of as much metal as feasibly possible to beneficially use scrap steel to produce new iron and steel products as well as recovering to the extent practical the zinc, copper and other metals found in the dusts trapped by pollution control device filters to efficiently and effectively preserve resources.

**Table 1., Quantity of Exported Waste in Comparison to the Normalized Steel Production Rate**

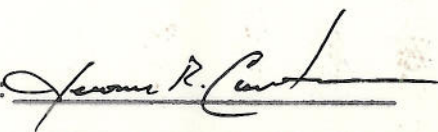
<b>Year</b>	<b>Waste Code</b>	<b>Amount Exported, tons</b>	<b>Normalized Generation Rate, lbs exported/ton of steel produced</b>
1999	K061	1,160	(startup-year)
2000	K061	8,328	31.6
2001	K061	7,763	29.2
2002	K061	8,357	27.5
2003	K061	8,099	25.3
2004	K061	9,654	25.5
2005	K061	10,258	25.7
2006	K061	11,070	24.0
2007	K061	13,012	27.3
2008	K061	9,329	25.1
2009	K061	5,924	28.2
2010	K061	7,295	25.4
2011	K061	1,178	23.4





**CERTIFICATION:**

*I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fines and imprisonment.*

Signed: 

Date: 03/01/2012

**Jerome Cantu, Chaparral (VA) Inc., Melt Shop Manager**